

**HEAD OFFICE:**

Plot No. – 12, Sector B1, Local Shopping Complex, Vasant Kunj,
New Delhi - 110 070 (INDIA).
Tel: 0091-11-26139256 – 265, Fax: 0091-11-26125739
Web site: www.jindalpoly.com

TECHNICAL SPECIFICATION SHEET (J-500)

DESCRIPTION: J500 is Transparent, Co extruded high clarity film having smooth surface, excellent clarity and good handling property

APPLICATIONS: High clarity film suitable for metallisation, holographic, high quality lamination and other general application.

SALIENT FEATURES:

- High clarity and Transparency
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA						
Properties	Test method	Unit	J-500			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	23 (92)	36 (144)	50 (200)	
Yield	JPFTM	m ² /kg (in ² /lb)	31 (21800)	19.8 (13900)	14 (10000)	
OPTICAL						
Haze	ASTM D-1003	%	1.4	1.4	1.5	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1900 (27000)	1900 (27000)	1900 (27000)
	TD	ASTM D-882	Kg/cm ² (psi)	1800 (25600)	1800 (25600)	1800 (25600)
Elongation (Min)	MD	ASTM D-882	%	90	90	90
	TD	ASTM D-882	%	85	85	85
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.60	0.60	0.60
	Dy	ASTM D-1894	-	0.50	0.50	0.50
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.40	0.40	0.40
SURFACE						
Wetting tension (Min)	ASTM D-2578	Dyne / cm	44	44	44	

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.

JPFTM: JINDAL POLY FILMS TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

WORKS:

28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
Phone : + 91 2553 229100, 231002 / 3 / 5
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TECHNICAL DATA						
Properties	Test method	Unit	J-500			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	75 (300)	100 (400)	110 (440)	
Yield	JPFTM	m ² /kg (in ² /lb)	9.5 (6680)	7.1(4990)	6.5 (4550)	
OPTICAL						
Haze	ASTM D-1003	%	1.4	1.6	1.8	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	120	120	120
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40	0.40
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
SURFACE						
Wetting tension (Min)	ASTM D-2578	Dyne / cm	44	44	44	
Electrical						
Volume Resistivity	ASTM D-256	Ohm cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	

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TECHNICAL DATA						
Properties	Test method	Unit	J-500			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	125 (500)	135 (540)	140 (560)	
Yield	JPFTM	m ² /kg (in ² /lb)	5.7 (4000)	5.3 (3710)	5.1 (3580)	
OPTICAL						
Haze	ASTM D-1003	%	1.8	1.8	2.0	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	120	120	120
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40	0.40
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
SURFACE						
Wetting tension (Min)	ASTM D-2578	Dyne / cm	44	44	44	
Electrical						
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TECHNICAL DATA						
Properties	Test method	Unit	J-500			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	150 (600)	175 (700)	250 (1000)	
Yield	JPFTM	m ² /kg (in ² /lb)	4.7 (3340)	4.1 (2880)	2.9 (2040)	
OPTICAL						
Haze	ASTM D-1003	%	2.2	2.4	3.0	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1600 (22800)
	TD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1600 (22800)
Elongation (Min)	MD	ASTM D-882	%	120	120	120
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40	0.40
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
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